
ATTACHMENT J4

Fort Smith Municipal Airport (ANG) Wastewater Collection System

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J4 Fort Smith Municipal Airport (ANG) Wastewater Collection System

J4.1 Fort Smith Municipal Airport (ANG) Overview

The 188th Fighter Wing (FW) of the Arkansas Air National Guard occupies 110 acres of leased land on the Fort Smith Municipal Airport, located approximately 2 miles southeast of Fort Smith, Arkansas. The mission of the 188th FW is to execute directed fighter missions designed to destroy enemy forces, supplies, equipment, communications systems, and installations with all types of tactical weapons. The unit currently flies the F-16 Falcon. The 188th FW occupies 3 administrative, 46 industrial, and 3 services buildings totaling approximately 332,102 square feet with 320 full-time personnel. A unit training drill is conducted once a month and results in a surge of up to 1,000 personnel.

J4.2 Wastewater Collection System Description

J4.2.1 Wastewater Collection System Fixed Equipment Inventory

The Fort Smith Municipal Airport (ANG) Wastewater Collection System consists of all appurtenances physically connected to the collection system from the point of demarcation defined by the Right of Way. The system may include, but is not limited to, pipelines and manholes. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the Wastewater Collection System privatization are:

?? Oil Water Separators

?? Grease Traps

J4.2.1.1 Description

The wastewater collection system at Fort Smith Municipal Airport (ANG) operates via gravity flow and exits the base at four locations. The wastewater collection system consists of approximately 4,100 linear feet of PVC pipe, 3,300 linear feet of cast iron pipe, and 1,300 linear feet of vitrified clay pipe. All pipes range in size from four to eight inches. Pipe depth ranges from four to eight feet without tracer wire or warning tape. The system includes three pre-cast concrete manholes and 15 brick manholes ranging from four to eight feet in depth. Base personnel indicate the system capacity is adequate to meet current and projected demands.

J4.2.1.2 Inventory

Table 1 provides a general listing of the major Wastewater Collection System fixed assets for the Fort Smith Municipal Airport (ANG) Wastewater Collection System included in the sale.

TABLE 1

Fixed Inventory

Wastewater Utility System Fort Smith Municipal Airport (ANG)

Item	Size	Quantity	Unit	Approximate Year of Construction
PVC Pipe	(in.)			
	4	173	LF	1989
	4	732	LF	1996
	4	494	LF	1982
	4	240	LF	1981
	4	234	LF	1989
	4	236	LF	1984
	4	417	LF	1995
	6	313	LF	1996
	6	216	LF	1992
	6	640	LF	1994
	8	440	LF	1982
Cast Iron Pipe	(in.)			
	4	209	LF	1979
	4	376	LF	1976
	4	345	LF	1984
	6	715	LF	1975
	6	170	LF	1960
	8	417	LF	1955
	8	84	LF	1978
	8	1004	LF	1955
Vitrified Clay Pipe	(in.)			
	4	383	LF	1982
	6	174	LF	1955
	6	280	LF	1964
	8	475	LF	1972
Standard Sanitary Sewer Manhole (4 ft diameter)	Depth (ft)			

Item	Size	Quantity	Unit	Approximate Year of Construction
Brick	4	2	EA	1955
Brick	4	4	EA	1964
Brick	6	1	EA	1972
Brick	6	4	EA	1955
Brick	8	1	EA	1971
Brick	8	3	EA	1972
Pre-Cast Concrete	4	3	EA	1964
Notes:				
PVC = Polyvinyl Chloride				
IN = Inches				
FT = Feet				
LF = Linear Feet				
EA = Each				

J4.2.2 Wastewater Collection System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and **Table 3** lists specialized vehicles and tools included in the purchase. Offerors shall field-verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2

Spare Parts

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3

Specialized Vehicles and Tools

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Description	Quantity	Location	Maker
None			

J4.2.3 Wastewater Collection System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4

Manuals, Drawings, and Records

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Qty	Description	Remarks

1	Wastewater Utility System Maps (electronic copy)	AutoCAD Release Version 14
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J4.3 Specific Service Requirements

The service requirements for the Fort Smith Municipal Airport (ANG) Wastewater Collection System are as defined in the Section C Description/Specifications/Work Statement.

J4.4 Current Service Arrangement

?? Provider: City of Fort Smith

?? Average Annual Effluent: Based on water usage (2000), 532 kCf

?? Maximum Monthly Effluent: Based on water usage, 115 kCf

?? Minimum Monthly Effluent: Based on water usage, 24 kCf

J4.5 Secondary Metering

The Contractor shall install and calibrate new secondary meters as listed in **Table 5**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J4.6 below.

TABLE 5

New Secondary Meters

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Meter Location	Meter Description
None	

J4.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report (blockage and overflow information) will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Infiltration and Inflow Report. If required by Paragraph C.3, the Contractor shall submit an Infiltration and Inflow report in a format proposed by the Contractor and accepted by the

Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J4.7 Infiltration and Inflow (I&I) Projects

IAW Paragraph C.3 Utility Service Requirement, the following projects have been implemented by the Government for managing and monitoring I&I: None.

J4.8 Service Area

IAW Paragraph C.4 Service Area, the service area is defined as all areas within the Fort Smith Municipal Airport (ANG) boundaries.

J4.9 Off-Installation Sites

No off-installation sites are included in the sale of the Fort Smith Municipal Airport (ANG) Wastewater Collection System.

J4.10 Specific Transition Requirements

IAW Paragraph C.13 Transition Plan, **Table 6** provides a listing of service connections and disconnections required upon transfer.

TABLE 6

Service Connections and Disconnections

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Location	Description
None	

J4.11 Government Recognized System Deficiencies

Table 7 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the Fort Smith Municipal Airport (ANG) Wastewater Collection System. If the utility system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewals and Replacements Plan process and will be recovered through Schedule L-3. Renewal and replacement projects will be recovered through Sub-CLIN AB.

TABLE 7

System Deficiencies

Wastewater Collection System Fort Smith Municipal Airport (ANG)

Project Location	Project Description
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None	
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